

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Isaac K. Cherian</td> <td>11/17/2008</td> </tr> <tr> <td>Abhaya K. Bakshi</td> <td>12/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	Isaac K. Cherian	11/17/2008	Abhaya K. Bakshi	12/05/2008
Name	Execution Date						
Isaac K. Cherian	11/17/2008						
Abhaya K. Bakshi	12/05/2008						
RECEIVING PARTY DATA							
Name:	Saint-Gobain Ceramics and Plastics, Inc.						
Street Address:	One New Bond Street						
Internal Address:	Box Number 15008						
City:	Worcester						
State/Country:	MASSACHUSETTS						
Postal Code:	01615-0008						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12286960</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12286960		
Property Type	Number						
Application Number:	12286960						
CORRESPONDENCE DATA							
Fax Number:	(617)227-4420						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	617-239-0100						
Email:	cscherbel@eapdlaw.com						
Correspondent Name:	Edwards Angell Palmer & Dodge LLP						
Address Line 1:	P.O. Box 55874						
Address Line 4:	Boston, MASSACHUSETTS 02205						
ATTORNEY DOCKET NUMBER:	68505(72011)						
NAME OF SUBMITTER:	Lisa Swiszc Hazzard						
Total Attachments: 5 source=68505_Assignment#page1.tif source=68505_Assignment#page2.tif							

CH \$40.00 12286960

source=68505_Assignment#page3.tif
source=68505_Assignment#page4.tif
source=68505_Assignment#page5.tif

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 17 day of NOVEMBER, 2008,
by Isaac K. Cherian and Abhaya K. Bakshi (hereinafter referred to as Assignors),
residing at 49 Trowbridge Lane, Shrewsbury, Massachusetts 01545; and 66 Russells
Way, Westford, Massachusetts 01886, respectively;

WHEREAS, Assignors have invented certain new and useful improvements
in POLISHING OF SAPPHIRE WITH COMPOSITE SLURRIES, set forth in a Patent
application for Letters Patent of the United States, already filed on October 3, 2008 as
U.S. Application No. 12/286,960 ; and

WHEREAS, Saint-Gobain Ceramics and Plastics, Inc., a corporation
organized under and pursuant to the laws of Delaware and having its principal place of
business at One New Bond Street, Box Number 15008, Worcester, Massachusetts
01615-0008 (hereinafter referred to as Assignee), is desirous of acquiring the entire
right, title and interest in and to said inventions and said Application for Letters Patent
of the United States, and in and to any Letters Patent of the United States to be
obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good
and sufficient consideration, the receipt of which is hereby acknowledged, Assignors
have sold, assigned, transferred and set over, and by these presents do sell, assign,
transfer and set over, unto Assignee, its successors, legal representatives and
assigns, the entire right, title and interest in and to the above-mentioned inventions
and application for Letters Patent, and in and to any and all direct and indirect
divisions, continuations and continuations-in-part of said application, and any and all
Letters Patent in the United States and all foreign countries which may be granted
therefor and thereon, and reissues, reexaminations and extensions of said Letters
Patent, and all rights under the International Convention for the Protection of Industrial
Property, the same to be held and enjoyed by Assignee, for its own use and benefit
and the use and benefit of its successors, legal representatives and assigns, to the full
end of the term or terms for which Letters Patent may be granted and/or extended, as

fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

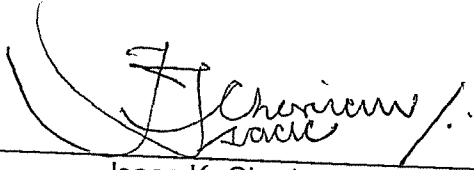
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order

to comply with the rules of the United States Patent and Trademark Office for
recording of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

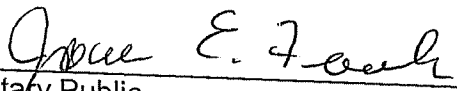
AND Assignors acknowledge an obligation of assignment of this invention to
Assignee at the time the invention was made.


Isaac K. Cherian

Date: November 17, 2008

United States of America)
State of Massachusetts) ss.:
County of Worcester)

On this 17th day of November, 2008, before me personally came Isaac K. Cherian, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

JOAN E. FRANK
Notary Public
Commonwealth of Massachusetts
My Commission Expires May 25, 2012

Abhaya K. Bakshi
Abhaya K. Bakshi

Date: 12-05-08

United States of America)
State of NH) ss.:
County of Hillsborough)

On this 05th day of December, 2008, before me personally came Abhaya K. Bakshi, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Marlene L. Picard
Notary Public

MARLENE L. PICARD, Notary Public
My Commission Expires March 23, 2010